Css Utility Classes

CSS Utility Classes Play+ provides an extensive set of utility classes for spacing, layout, and styling. These classes follow a consistent naming convention and are designed to work seamlessly with the grid system. Spacing Utilities ■ The spacing system uses a scale based on rem units, providing consistent spacing across your application. Spacing Scale ■ Class Size Value 0 0 0rem 1 0.25 0.25rem (4px) 2 0.5 0.5rem (8px) 3 1 1rem (16px) 4 1.5 1.5rem (24px) 5 3 3rem (48px) 6 3.5 3.5rem (56px) 7 4 4rem (64px) 8 5 5rem (80px) 9 6 6rem (96px) 10 8 8rem (128px) 11 10 10rem (160px) 12 12 12rem (192px) 13 14 14rem (224px) 14 16 16rem (256px) Margin Utilities ■ All Sides ■ < div class = " m-0 " > No margin </ div > < div class = " m-1 " > Small margin (0.25rem) </ div > < div class = " m-2 " > Medium margin (0.5rem) </ div > < div class = " m-3 " > Large margin (1rem) </ div > < div class = " m-4 " > Extra large margin (1.5rem) </ div > < div class = " m-5 " > Huge margin (3rem) </ div > Individual Sides ■ < div class = " mt-3 " > Top margin </ div > < div class = " mb-3 " > Bottom margin </ div > < div class = " ms-3 " > Start margin (left in LTR) </ div > < div class = " me-3 " > End margin (right in LTR) </ div > Horizontal and Vertical ■ < div class = " mx-3 " > Horizontal margin (left and right) </ div > < div class = " my-3 " > Vertical margin (top and bottom) </ div > Auto Margins ■ < div class = " m-auto " > Auto margin on all sides </ div > < div class = " mx-auto " > Center horizontally </ div > < div class = " ms-auto " > Push to the right </ div > < div class = " me-auto " > Push to the left </ div > Negative Margins ■ < div class = " m-n1 " > Negative margin (-0.25rem) </ div > < div class = " mt-n2 " > Negative top margin (-0.5rem) </ div > < div class = " mx-n3 " > Negative horizontal margin (-1rem) </ div > Padding Utilities ■ All Sides ■ < div class = " p-0 " > No padding </ div > < div class = " p-1 " > Small padding (0.25rem) </ div > < div class = " p-2 " > Medium padding (0.5rem) </ div > < div class = " p-3 " > Large padding (1rem) </ div > < div class = " p-4 " > Extra large padding (1.5rem) </ div > < div class = " p-5 " > Huge padding (3rem) </ div > Individual Sides ■ < div class = " pt-3 " > Top padding </ div > < div class = " pb-3 " > Bottom padding </ div > < div class = " ps-3 " > Start padding (left in LTR) </ div > < div class = " pe-3 " > End padding (right in LTR) </ div > Horizontal and Vertical ■ < div class = " px-3 " > Horizontal padding (left and right) </ div > < div class = " py-3 " > Vertical padding (top and bottom) </ div > Responsive Spacing ■ All spacing utilities are available with responsive prefixes: < div class = " m-3 m-md-4 m-lg-5 " > <!-- 1rem margin on mobile, 1.5rem on tablet, 3rem on desktop --> </ div > < div class = " p-2 p-sm-3 p-md-4 " > <!-- 0.5rem padding on mobile, 1rem on tablet, 1.5rem on desktop --> </ div > Responsive Breakpoints ■ sm- (≥576px) md-

(≥768px) lg- (≥992px) xl- (≥1200px) xxl- (≥1400px) Grid Gutters ■ Gutter Classes ■ < div class = " row g-0 " > <!-- No gutters --> < div class = " row g-1 " > <!-- 0.25rem gutters --> < div class = " row g-2 " > <!-- 0.5rem gutters --> < div class = " row g-3 " > <!-- 1rem gutters --> < div class = " row g-4 " > <!-- 1.5rem gutters --> < div class = " row g-5 " > <!-- 3rem gutters --> </ div > </ div > </ div > </ div > </ div > </ div > Directional Gutters ■ < div class = " row gx-3 " > <!-- Horizontal gutters only --> < div class = " row gy-2 " > <!-- Vertical gutters only --> </ div > </ div > Responsive Gutters ■ < div class = " row g-2 g-md-3 g-lg-4 " > <!-- Different gutter sizes at different breakpoints --> </ div > Display Utilities ■ Display Classes ■ < div class = " d-none " > Hidden </ div > < div class = " d-block " > Block display </ div > < div class = " d-inline " > Inline display </ div > < div class = " d-inline-block " > Inline-block display </ div > < div class = " d-flex " > Flexbox display </ div > < div class = " d-inline-flex " > Inline flexbox </ div > < div class = " d-grid " > Grid display </ div > < div class = " d-inline-grid " > Inline grid </ div > Responsive Display ■ < div class = " d-none d-md-block " > <!-- Hidden on mobile, visible on tablet and up --> </ div > < div class = " d-block d-lg-none " > <!-- Visible on mobile/tablet, hidden on desktop --> </ div > Flexbox Utilities ■ Flex Direction ■ < div class = " d-flex flex-row " > Row (default) </ div > < div class = " d-flex flex-row-reverse " > Row reverse </ div > < div class = " d-flex flex-column " > Column </ div > < div class = " d-flex flex-column-reverse " > Column reverse </ div > Flex Wrap ■ < div class = " d-flex flex-wrap " > Wrap </ div > < div class = " d-flex flex-nowrap " > No wrap </ div > < div class = " d-flex flex-wrap-reverse " > Wrap reverse </ div > Justify Content ■ < div class = " d-flex justify-content-start " > Start </ div > < div class = " d-flex justify-content-end " > End </ div > < div class = " d-flex justify-content-center " > Center </ div > < div class = " d-flex justify-content-between " > Between </ div > < div class = " d-flex justify-content-around " > Around </ div > < div class = " d-flex justify-content-evenly " > Evenly </ div > Align Items ■ < div class = " d-flex align-items-start " > Start </ div > < div class = " d-flex align-items-end " > End </ div > < div class = " d-flex align-items-center " > Center </ div > < div class = " d-flex align-items-baseline " > Baseline </ div > < div class = " d-flex align-items-stretch " > Stretch </ div > Align Self ■ < div class = " align-self-start " > Start </ div > < div class = " align-self-end " > End </ div > < div class = " align-self-center " > Center </ div > < div class = " align-self-baseline " > Baseline </ div > < div class = " align-self-stretch " > Stretch </ div > Flex Fill ■ < div class = " d-flex " > < div class = " flex-fill " > Equal width </ div > < div class = " flex-fill " > Equal width </ div > < div class = " flex-fill " > Equal width </ div > </ div > Text Utilities ■ Text Alignment ■ < p class = " text-start " > Left aligned </ p > < p class = " text-center " > Center aligned </ p > < p class = " text-end " > Right aligned </ p > < p class = " text-justify " > Justified </ p > Text Transform ■ < p class = "

text-lowercase " > lowercase text </ p > < p class = " text-uppercase " > UPPERCASE TEXT </ p > < p class = " text-capitalize " > Capitalized Text </ p > Font Weight ■ < p class = " fw-bold " > Bold text </ p > < p class = " fw-bolder " > Bolder text </ p > < p class = " fw-normal " > Normal weight </ p > < p class = " fw-light " > Light text </ p > < p class = " fw-lighter " > Lighter text </ p > Font Style ■ < p class = " fst-italic " > Italic text </ p > < p class = " fst-normal " > Normal style </ p > Position Utilities ■ Position Classes ■ < div class = " position-static " > Static positioning </ div > < div class = " position-relative " > Relative positioning </ div > < div class = " position-absolute " > Absolute positioning </ div > < div class = " position-fixed " > Fixed positioning </ div > < div class = " position-sticky " > Sticky positioning </ div > Top, Right, Bottom, Left ■ < div class = " top-0 " > Top: 0 </ div > < div class = " top-50 " > Top: 50% </ div > < div class = " top-100 " > Top: 100% </ div > < div class = " start-0 " > Start: 0 (left in LTR) </ div > < div class = " start-50 " > Start: 50% </ div > < div class = " start-100 " > Start: 100% </ div > < div class = " bottom-0 " > Bottom: 0 </ div > < div class = " bottom-50 " > Bottom: 50% </ div > < div class = " bottom-100 " > Bottom: 100% </ div > < div class = " end-0 " > End: 0 (right in LTR) </ div > < div class = " end-50 " > End: 50% </ div > < div class = " end-100 " > End: 100% </ div > Card with Spacing ■ < div class = " card p-4 m-3 " > < div class = " card-body " > < h5 class = " card-title mb-3 " > Card Title </ h5 > < p class = " card-text mb-4 " > Card content with proper spacing. </ p > < button class = " btn btn-primary " > Action </ button > </ div > </ div > Responsive Layout ■ < div class = " container " > < div class = " row g-3 " > < div class = " col-12 col-md-6 " > < div class = " p-3 border " > < h4 class = " mb-3 " > Section 1 </ h4 > < p class = " mb-0 " > Content with consistent spacing. </ p > </ div > </ div > < div class = " col-12 col-md-6 " > < div class = " p-3 border " > < h4 class = " mb-3 " > Section 2 </ h4 > < p class = " mb-0 " > More content with spacing. </ p > </ div > </ div > </ div > </ div > Navigation Bar ■ < nav class = " navbar navbar-expand-lg navbar-light bg-light " > < div class = " container " > < a class = " navbar-brand me-4 " href = " # " > Brand </ a > < div class = " navbar-nav ms-auto " > < a class = " nav-link px-3 " href = " # " > Home </ a > < a class = " nav-link px-3 " href = " # " > About </ a > < a class = " nav-link px-3 " href = " # " > Contact </ a > </ div > </ div > </ nav > Best Practices ■ Consistent spacing : Use the spacing scale consistently throughout your application Responsive design : Always consider how spacing works across different screen sizes Semantic meaning : Use spacing to create visual hierarchy and improve readability Performance : Utility classes are optimized for performance and bundle size Maintainability : Use utility classes instead of custom CSS when possible Customization ■ You can customize the spacing scale by modifying CSS custom properties: :root { --bs-spacer : 1 rem ; --bs-spacers : (0 : 0 , 1 : calc (var (--bs-spacer) * 0.25) , 2 : calc (var (--bs-spacer) * 0.5

) , 3 : var (--bs-spacer) , 4 : calc (var (--bs-spacer) * 1.5) , 5 : calc (var (--bs-spacer) * 3)) ; } This allows you to maintain consistency while adapting the spacing to your design system.

```
<div class="m-0">No margin</div>
<div class="m-1">Small margin (0.25rem)</div>
<div class="m-2">Medium margin (0.5rem)</div>
<div class="m-3">Large margin (1rem)</div>
<div class="m-4">Extra large margin (1.5rem)</div>
<div class="m-5">Huge margin (3rem)</div>
```

```
<div class="mt-3">Top margin</div>
<div class="mb-3">Bottom margin</div>
<div class="ms-3">Start margin (left in LTR)</div>
<div class="me-3">End margin (right in LTR)</div>
```

```
<div class="mx-3">Horizontal margin (left and right)</div>
<div class="my-3">Vertical margin (top and bottom)</div>
```

```
<div class="m-auto">Auto margin on all sides</div>
<div class="mx-auto">Center horizontally</div>
<div class="ms-auto">Push to the right</div>
<div class="me-auto">Push to the left</div>
```

```
<div class="m-n1">Negative margin (-0.25rem)</div>
<div class="mt-n2">Negative top margin (-0.5rem)</div>
<div class="mx-n3">Negative horizontal margin (-1rem)</div>
```

```
<div class="p-0">No padding</div>
<div class="p-1">Small padding (0.25rem)</div>
<div class="p-2">Medium padding (0.5rem)</div>
<div class="p-3">Large padding (1rem)</div>
<div class="p-4">Extra large padding (1.5rem)</div>
<div class="p-5">Huge padding (3rem)</div>
```

```
<div class="pt-3">Top padding</div>
<div class="pb-3">Bottom padding</div>
<div class="ps-3">Start padding (left in LTR)</div>
<div class="pe-3">End padding (right in LTR)</div>
```

```
<div class="px-3">Horizontal padding (left and right)</div>
<div class="py-3">Vertical padding (top and bottom)</div>
```

```
<div class="m-3 m-md-4 m-lg-5">
  <!-- 1rem margin on mobile, 1.5rem on tablet, 3rem on desktop -->
</div>

<div class="p-2 p-sm-3 p-md-4">
  <!-- 0.5rem padding on mobile, 1rem on tablet, 1.5rem on desktop -->
</div>
```

```
<div class="row g-0">
  <!-- No gutters -->
  <div class="row g-1">
    <!-- 0.25rem gutters -->
    <div class="row g-2">
      <!-- 0.5rem gutters -->
      <div class="row g-3">
        <!-- 1rem gutters -->
        <div class="row g-4">
          <!-- 1.5rem gutters -->
          <div class="row g-5"><!-- 3rem gutters --></div>
        </div>
      </div>
    </div>
  </div>
</div>
```

```
<div class="row gx-3">
  <!-- Horizontal gutters only -->
  <div class="row gy-2"><!-- Vertical gutters only --></div>
</div>
```

```
<div class="row g-2 g-md-3 g-lg-4">
  <!-- Different gutter sizes at different breakpoints -->
</div>
```

```
<div class="d-none">Hidden</div>
<div class="d-block">Block display</div>
<div class="d-inline">Inline display</div>
<div class="d-inline-block">Inline-block display</div>
<div class="d-flex">Flexbox display</div>
<div class="d-inline-flex">Inline flexbox</div>
<div class="d-grid">Grid display</div>
<div class="d-inline-grid">Inline grid</div>
```

```
<div class="d-none d-md-block">
  <!-- Hidden on mobile, visible on tablet and up -->
</div>

<div class="d-block d-lg-none">
  <!-- Visible on mobile/tablet, hidden on desktop -->
</div>
```

```
<div class="d-flex flex-row">Row (default)</div>
<div class="d-flex flex-row-reverse">Row reverse</div>
<div class="d-flex flex-column">Column</div>
<div class="d-flex flex-column-reverse">Column reverse</div>
```

```
<div class="d-flex flex-wrap">Wrap</div>
<div class="d-flex flex-nowrap">No wrap</div>
<div class="d-flex flex-wrap-reverse">Wrap reverse</div>
```

```
<div class="d-flex justify-content-start">Start</div>
<div class="d-flex justify-content-end">End</div>
<div class="d-flex justify-content-center">Center</div>
<div class="d-flex justify-content-between">Between</div>
<div class="d-flex justify-content-around">Around</div>
<div class="d-flex justify-content-evenly">Evenly</div>
```

```
<div class="d-flex align-items-start">Start</div>
<div class="d-flex align-items-end">End</div>
<div class="d-flex align-items-center">Center</div>
<div class="d-flex align-items-baseline">Baseline</div>
<div class="d-flex align-items-stretch">Stretch</div>
```

```
<div class="align-self-start">Start</div>
<div class="align-self-end">End</div>
<div class="align-self-center">Center</div>
<div class="align-self-baseline">Baseline</div>
<div class="align-self-stretch">Stretch</div>
```

```
<div class="d-flex">
  <div class="flex-fill">Equal width</div>
  <div class="flex-fill">Equal width</div>
  <div class="flex-fill">Equal width</div>
</div>
```

```
<p class="text-start">Left aligned</p>
<p class="text-center">Center aligned</p>
<p class="text-end">Right aligned</p>
<p class="text-justify">Justified</p>
```

```
<p class="text-lowercase">lowercase text</p>
<p class="text-uppercase">UPPERCASE TEXT</p>
<p class="text-capitalize">Capitalized Text</p>
```

```
<p class="fw-bold">Bold text</p>
<p class="fw-bolder">Bolder text</p>
<p class="fw-normal">Normal weight</p>
<p class="fw-light">Light text</p>
<p class="fw-lighter">Lighter text</p>
```

```
<p class="fst-italic">Italic text</p>
<p class="fst-normal">Normal style</p>
```

```
<div class="position-static">Static positioning</div>
<div class="position-relative">Relative positioning</div>
<div class="position-absolute">Absolute positioning</div>
<div class="position-fixed">Fixed positioning</div>
<div class="position-sticky">Sticky positioning</div>
```

```
<div class="top-0">Top: 0</div>
<div class="top-50">Top: 50%</div>
<div class="top-100">Top: 100%</div>

<div class="start-0">Start: 0 (left in LTR)</div>
<div class="start-50">Start: 50%</div>
<div class="start-100">Start: 100%</div>

<div class="bottom-0">Bottom: 0</div>
<div class="bottom-50">Bottom: 50%</div>
<div class="bottom-100">Bottom: 100%</div>

<div class="end-0">End: 0 (right in LTR)</div>
<div class="end-50">End: 50%</div>
<div class="end-100">End: 100%</div>
```

```
<div class="card p-4 m-3">
  <div class="card-body">
    <h5 class="card-title mb-3">Card Title</h5>
    <p class="card-text mb-4">Card content with proper spacing.</p>
    <button class="btn btn-primary">Action</button>
  </div>
</div>
```

```
<div class="container">
  <div class="row g-3">
    <div class="col-12 col-md-6">
      <div class="p-3 border">
        <h4 class="mb-3">Section 1</h4>
        <p class="mb-0">Content with consistent spacing.</p>
      </div>
    </div>
    <div class="col-12 col-md-6">
      <div class="p-3 border">
        <h4 class="mb-3">Section 2</h4>
        <p class="mb-0">More content with spacing.</p>
```

```
      </div>
    </div>
  </div>
</div>
```

```
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <div class="container">
    <a class="navbar-brand me-4" href="#">Brand</a>
    <div class="navbar-nav ms-auto">
      <a class="nav-link px-3" href="#">Home</a>
      <a class="nav-link px-3" href="#">About</a>
      <a class="nav-link px-3" href="#">Contact</a>
    </div>
  </div>
</nav>
```

```
:root {
  --bs-spacer: 1rem;
  --bs-spacers: (
    0: 0,
    1: calc(var(--bs-spacer) * 0.25),
    2: calc(var(--bs-spacer) * 0.5),
    3: var(--bs-spacer),
    4: calc(var(--bs-spacer) * 1.5),
    5: calc(var(--bs-spacer) * 3)
  );
}
```